

GHITA LANZENDORFER ET AL.  
USSN 08/849,525IN THE CLAIMS:

Cancel all of the claims in the application and substitute:

D2  
Sub E

--19. A method for preventing or treating immunosuppression of skin cells induced by UVB radiation, said method comprising topically applying to the skin of a person in need thereof an effective amount thereof of a cosmetic or dermatological formulation comprising:

- a) one or more flavonoids selected from the group consisting of alpha-glucosylrutin, alpha-glucosylmyricitrin, alpha-glucosylisoquercitrinin, alpha-glucosylquercitrin, quercitin, rutin, chrysin, kaempferol, myricetin, rhamnetin, apigenin, luteolin, naringin, hesperidin, naringenin, hesperitin, morin, phloridzin, diosmin, fisetin, vitexin, neohesperidin dihydrochalcone, flavone, glucosylrutin and genistein;
- b) optionally one or more cinnamic acid derivatives; and
- c) optionally an antioxidant;

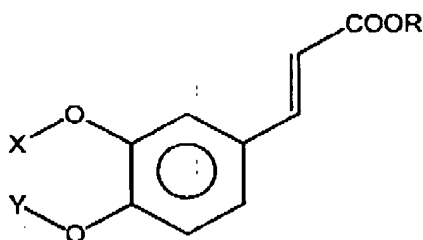
and preventing or treating immunosuppression of skin cells induced by UVB radiation. --

GHITA LANZENDORFER ET AL.  
USSN 08/849,525

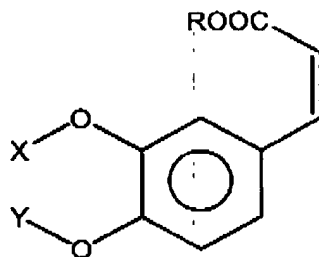
--20. The method according to claim 19, wherein the cosmetic or dermatological formulation comprises one or more cinnamic acid derivatives. --

--21. The method according to claim 20, wherein the one or more cinnamic acid derivatives are selected from the group consisting of hydroxycinnamic acid derivatives. --

--22. The method according to claim 21, wherein the hydroxycinnamic acid derivatives are selected from those of the formula:



or the formula:



or mixtures thereof,

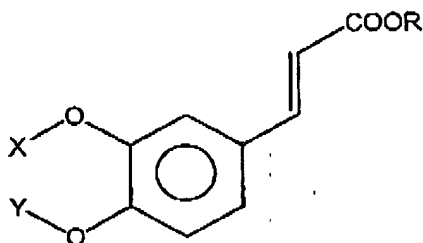
GHITA LANZENDORFER ET AL.  
USSN 08/849,525

wherein X, Y and R independently represent H or branched or unbranched alkyl have 1 to 18 carbon atoms. --

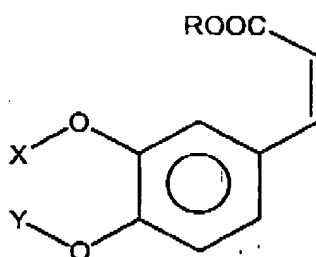
*D23*  
*Cont*  
--23.

The method according to claim 19, which comprises topically applying to the skin of a person in need thereof an effective amount therefor of a cosmetic or dermatological formulation comprising:

- a) one or more flavonoids selected from the group consisting of  
alpha-glucosylrutin, alpha-glucosylmyricitrin, alpha-glucosylisoquercitrin, alpha-glucosylquercitrin, quercitrin, rutin, chrysin, kaempferol, myricetin, rhamnetin, apigenin, luteolin, naringin, hesperidin, naringenin, hesperitin, morin, phloridzin, diosmin, fisetin, vitexin, neohesperidin dihydrochalcone, flavone, glucosylrutin and genistein;
- b) one or more hydroxycinnamic acid derivatives of the formula:

GHITA LANZENDORFER ET AL.  
USSN 08/849,525

or the formula:



or mixtures thereof,

wherein X, Y and R independently represent H or branched or unbranched alkyl have 1 to 18 carbon atoms; and

c) an antioxidant. --

--24. The method according to claim 19, wherein a symptom of the

GHITA LANZENDORFER ET AL.  
USSN 08/849,525

immunosuppression is inflammation, allergy or an autoimmune-reactive symptom. --

*Dr. Cont*  
--25.

A method for protecting the cells which participate in the immune response of the skin from the damaging effects of UVB radiation, said method comprising topically applying to the skin of a person in need thereof an effective amount therefor of a cosmetic or dermatological formulation comprising:

- a) one or more flavonoids selected from the group consisting of alpha-glucosylrutin, alpha-glucosylmyricitrin, alpha-glucosylisoquercitrinin, alpha-glucosylquercitrin, quercitin, rutin, chrysin, kaempferol, myricetin, rhamnetin, apigenin, luteolin, naringin, hesperidin, naringenin, hesperitin, morin, phloridzin, diosmin, fisetin, vitexin, neohesperidin dihydrochalcone, flavone, glucosylrutin and genistein;
- b) optionally one or more cinnamic acid derivatives; and
- c) optionally an antioxidant;

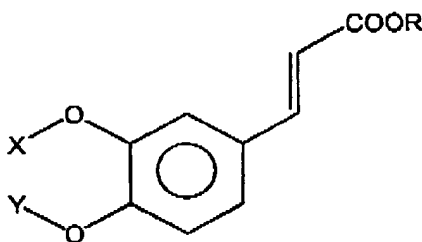
and protecting the cells which participate in the immune response of the skin from the damaging effects of UVB radiation. --

GHITA LANZENDORFER ET AL.  
USSN 08/849,525

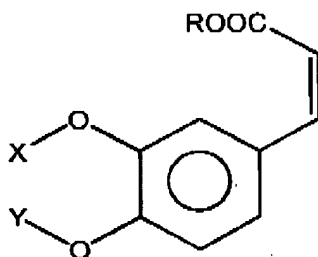
--26. The method according to claim 25, wherein the cosmetic or dermatological formulation comprises one or more cinnamic acid derivatives. --

*D2*  
*cm* --27. The method according to claim 26, wherein the one or more cinnamic acid derivatives are selected from the group consisting of hydroxycinnamic acid derivatives. --

--28. The method according to claim 27, wherein the hydroxycinnamic acid derivatives are selected from those of the formula:



or the formula:



or mixtures thereof,

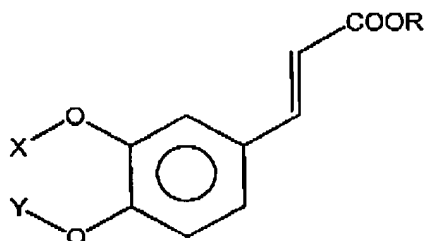
GHITA LANZENDORFER ET AL.  
USSN 08/849,525

wherein X, Y and R independently represent H or branched or unbranched alkyl have 1 to 18 carbon atoms. --

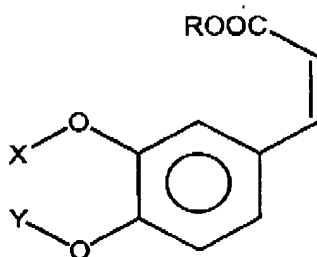
--29.

*D2*  
*CM* The method according to claim 25, which comprises topically applying to the skin of a person in need thereof an effective amount therefor of a cosmetic or dermatological formulation comprising:

- a) one or more flavonoids selected from the group consisting of  
alpha-glucosylrutin, alpha-glucosylmyricitrin, alpha-glucosylisoquercitrinin, alpha-glucosylquercitrin, quercitin, rutin, chrysin, kaempferol, myricetin, rhamnetin, apigenin, luteolin, naringin, hesperidin, naringenin, hesperitin, morin, phloridzin, diosmin, fisetin, vitexin, neohesperidin dihydrochalcone, flavone, glucosylrutin and genistein;
- b) one or more hydroxycinnamic acid derivatives of the formula:

GHITA LANZENDORFER ET AL.  
USSN 08/849,525

or the formula:



or mixtures thereof,

wherein X, Y and R independently represent H or branched or unbranched alkyl have 1 to 18 carbon atoms; and

c) an antioxidant. --

--30.

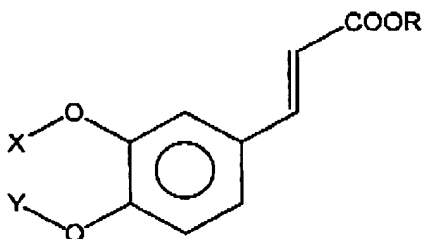
A cosmetic or dermatological formulation comprising:



GHITA LANZENDORFER ET AL.  
USSN 08/849,525

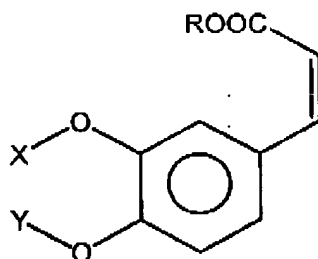
- a) one or more flavonoids selected from the group consisting of  
alpha-glucosylrutin, alpha-glucosylmyricitrin, alpha-  
glucosylisoquercitrinin, alpha-glucosylquercitrin, quercitin, rutin,  
chrysin, kaempferol, myricetin, rhamnetin, apigenin, luteolin,  
naringin, hesperidin, naringenin, hesperitin, morin, phloridzin,  
diosmin, fisetin, vitcxin, neohesperidin dihydrochalcone, flavone,  
glucosylrutin and genistein;

- b) one or more hydroxycinnamic acid derivatives of the formula:



or the formula:

GHITA LANZENDORFER ET AL.  
USSN 08/849,525



or mixtures thereof,

wherein X, Y and R independently represent H or branched or unbranched alkyl have 1 to 18 carbon atoms; and

c) optionally an antioxidant. --

--31. The cosmetic or dermatological formulation according to claim 30, which comprises an antioxidant. --

32.

A cosmetic or dermatological formulation comprising:

a) one or more flavonoids selected from the group consisting of